Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.

Cautions on product corrosion

Warning

Ask a qualified installer or contractor to install this product. Do not try to install the product yourself.

Improper installation or use can result in water or refrigerant leakage, electrical shock, fire or explosion.

Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.

Use only those parts and accessories supplied or specified by Daikin. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.

Improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.

You may only install this product in the perimeter to which the user or installer of the product is responsible.

Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.

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1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.

2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Cautions on product corrosion

Warning
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electric shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Improper installation of parts and accessories can result in water or refrigerant leakage, electric shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings.

If you have any enquiries, please contact your local importer, distributor or retailer.

Daikin Air Conditioner Made in Japan

Specifications, designs and other content appearing in this brochure are current as of February 2014 but subject to change without notice.
A New Level of Comfort

Urusara 7 offers a unique, total comfort experience for any lifestyle. Powerful year-round cooling and dehumidifying is just the beginning.

Urusara 7 puts the latest advances in Japanese air-conditioning technology at your fingertips. Features like the new circulation airflow wrap you in a cloud of effortless comfort while advanced streamer technology effectively purifies air. This design excellence extends to the sleek, award-winning indoor unit.

Urusara 7 is also the world’s first air conditioner to use next-generation R-32 refrigerant. Along with its many energy-saving features, this higher performance refrigerant gives Urusara 7 unrivaled energy efficiency.

Daikin Air Conditioner Made in Japan
### Lineup

<table>
<thead>
<tr>
<th>Model</th>
<th>Cooling Capacity</th>
<th>Heating Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>RXZ25NVM</td>
<td>2.45 (0.6-3.9) kW</td>
<td>9,800 (2,000-13,300) Btu/h</td>
</tr>
<tr>
<td>RXZ35NVM</td>
<td>3.45 (0.6-5.3) kW</td>
<td>11,600 (2,000-18,100) Btu/h</td>
</tr>
<tr>
<td>RXZ50NVM</td>
<td>4.95 (0.6-5.8) kW</td>
<td>16,200 (2,000-19,800) Btu/h</td>
</tr>
</tbody>
</table>

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<tr>
<th>Model</th>
<th>Cooling Capacity</th>
<th>Heating Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>RXZ25/35/50NVM</td>
<td>2.5 kW Class</td>
<td>8,000 (2,000-13,300) Btu/h</td>
</tr>
<tr>
<td>RXZ35/50NVM</td>
<td>3.5 kW Class</td>
<td>12,300 (2,000-25,600) Btu/h</td>
</tr>
<tr>
<td>RXZ50NVM</td>
<td>5.0 kW Class</td>
<td>17,100 (2,000-30,700) Btu/h</td>
</tr>
</tbody>
</table>

*Note: Rated (Min.-Max.)*
A New Era for Energy Efficiency

2012 Grand Prize for Excellence in Energy Efficiency and Conservation

Daikin has always pushed to achieve higher levels of energy efficiency. After reviewing Urusara’s performance, Daikin engineers decided to use next-generation R-32 refrigerant due to its superior energy efficiency. They also developed a new indoor heat exchanger, double air intake and revised DC Inverter Power Control. Thanks to these efforts, Urusara 7 delivers greater energy efficiency. In January 2013, Urusara 7’s 4.0 to 7.1 kW class models for the Japanese market received the Minister’s Prize from Japan’s Ministry of Economy, Trade and Industry in the Fiscal 2012 Grand Prizes for Excellence in Energy Efficiency and Conservation.

First 7-Star Rating for Australia

Urusara 7 achieves high COPs of 4.30 to 5.70 during cooling operation thanks to Daikin’s combined energy-saving technologies and DC Inverter Power Control. The 2.5 kW model for the Australian market is the first split-type air conditioner to receive the country’s top 7-Star Super Efficiency rating. No other air conditioner has obtained this rating as of February 2014.

The Urusara 7 models listed below have received Singapore’s 4 Tick Energy Label, which is the country’s highest energy-efficiency rating for inverter type air conditioners.

What Is COP?

Inverters are devices which are able to vary their operating capacity by adjusting frequency. Inverter air conditioners can vary their capacity by adjusting the power supply frequency of their compressors. In contrast, non-inverter air conditioners have a fixed capacity and can only control the indoor temperature by starting or stopping their compressors. Inverter air conditioners are more powerful, energy-efficient and comfortable than non-inverter models.

Benefits

Energy Savings

Inverter Advantages Compared to Non-Inverter

Electricity Consumption over One Year of Operation

Non-inverter type

Inverter type

Test method: In-house simulation based on the principles of JIS-C9612B.1.6.5 for inverter models and JIS-C9612B.1.6.4 for non-inverter models

Test inverter model: 3.5 kW class model of Urusara 7 for the Thailand market, rated COP 5.00, COP in the partial load region 6.39

Test non-inverter model: 3.5 kW class Daikin non-inverter model for the Thailand market, COP 3.45

Test location: Bedroom of 24 m²

Test conditions: Annual average outdoor temperature in Bangkok

Test period: 9 hours of operation from 10:00 p.m. to 7:00 a.m.

Note: Compared to non-inverter models, Urusara 7 cuts power consumption by up to 58%. This helps to reduce electricity bills for the user and also decreases CO₂ emissions caused by power generation.

58% energy saving

1,132 kWh

475 kWh

Capacity (W)

Power consumption (W)

COP = $$\frac{\text{Power consumption (W)}}{\text{Capacity (W)}}$$
### Advanced Daikin Technologies Made in Japan

#### Double Air Intake

The indoor unit features air intakes on both the top and bottom. The double intakes maintain a large airflow volume by drawing in additional air from the bottom intake. Urusara 7 improves the operational efficiency of the indoor heat exchanger by also utilising the back part of the device.

![Conventional Daikin Inverter models](image1.png)

Conventional Daikin Inverter models

- The back part of the heat exchanger is only partially used.
- Air intake from both the top and bottom allows the back part of the heat exchanger to be used fully, resulting in higher energy efficiency.

![Urusara 7](image2.png)

Urusara 7

- The new indoor cross flow fan features sharp-edged dimples and impellers. This innovative shape increases airflow volume as well as energy efficiency.

#### High-Density Heat Exchanger

An improved indoor heat exchanger design significantly increases cooling/heating performance. The new structure uses thin copper piping densely packed in five layers, allowing it to exchange heat more effectively.

#### Sharp-Edged Cross Flow Fan

The new indoor cross flow fan features sharp-edged dimples and impellers. This innovative shape increases airflow volume as well as energy efficiency.

#### DC Inverter Power Control

DC Inverter is Daikin’s term for an inverter air conditioner equipped with a DC motor. These motors use the power of magnets to generate rotation, making them more efficient than AC motors. Advanced DC motors for compressors and fan motors equipped with high-power neodymium magnets are capable of even greater efficiency. These motors are called Reluctance DC motors.

#### Swing Compressor

Thanks to its smooth rotation, the swing compressor decreases friction and vibration. It also prevents the leakage of refrigerant gas during compression. These advantages provide quiet and efficient compression.

#### Interleaved PAM Control

PAM (pulse amplitude modulation) control reduces energy loss by specifying how often the converter switches on and off. Urusara 7 is equipped with twin interleaved PAM circuits. This ensures efficiency for both high and low output.

#### Reluctance DC Motor for Compressors

The compressor is one of an air conditioner’s core components and its performance is directly linked to the motor. Daikin was the first to successfully use the Reluctance DC motor with a scroll compressor in commercial-use air conditioners. This motor has now been installed in the swing compressors used for residential-use air conditioners.

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A Variety of Energy-Saving Functions

**Econo Mode**
This function limits the maximum power consumption to 310 W during cooling operation and 470 W during heating operation for the 2.5 kW model. It is particularly effective if the cooling load is high, for example, at startup or during large gatherings and periods of direct sunshine. (Maximum capacity decreases during Econo Mode, requiring more time to reach the set temperature.)

**Standby Electricity Saving**
Even when the air conditioner is not operating, it requires standby power. However, thanks to the Standby Electricity Saving function, the required standby power can be reduced.

**3-Area Intelligent Eye**
3-Area Intelligent Eye prevents energy wastage by using its infrared sensors to detect human movement in a room. It has two infrared sensors and detects the location of a person in an area divided into left, right and centre zones.

When there is no movement, Intelligent Eye automatically adjusts the set temperature by 2°C to achieve energy savings. It can also be set to automatically stop operation. Airflow can either be directed toward or away from people to increase comfort.

**Auto Off Operation**
3-Area Intelligent Eye can be set to automatically stop operation after one or three hours if there is no movement in a room. With Auto Off Operation, you never have to worry about forgetting to turn off the air conditioner again.

**3-Area Intelligent Eye (Focus)**
Intelligent Eye sensors detect an area where there is a person and adjust the horizontal airflow to send air directly to the person.

**3-Area Intelligent Eye (Comfort)**
Intelligent Eye sensors detect an area where there is a person and adjust the horizontal airflow to avoid blowing air directly onto the person.
R-32 Refrigerant: A Better Choice for Climate Change

One Million Units in Cumulative Sales

Daikin is the sole manufacturer to produce both air conditioning equipment and refrigerants around the world. As a refrigerant manufacturer, Daikin believes it has a responsibility to expand the use of substances with zero ozone-layer depletion and to reduce greenhouse gas emissions.

As an equipment manufacturer, Daikin believes it must work to reduce these greenhouse emissions throughout the entire product lifecycle. By combining R-32 refrigerant and Urusara 7’s operational efficiency, Daikin has taken the next step in reducing environmental impact.

Daikin has adopted R-32 for all models of its residential-use wall-mounted split-type air conditioners in the Japanese market. These systems achieved one million units in cumulative sales as of November 2013.

No Impact on Ozone-Layer Depletion

The Montreal Protocol was adopted in 1987 to specify substances which are potentially harmful to the ozone layer and to restrict the production, consumption and trade of relevant substances. Based on the adoption of this protocol, industrialised countries are required to eliminate alternative fluorocarbons including R-22 (HCFC) by 2020, while developing countries are obliged to gradually reduce their use from 2013, and to eliminate them by 2030.

Schedule of Reduction for HCFC Consumption Volumes

Energy Efficiency

Air conditioners are major consumers of electricity but about half of the energy they use is still generated by fossil fuel power plants. The CO₂ discharged in this process is a known greenhouse gas. Air conditioning manufacturers must be responsible for providing energy efficient equipment.

Daikin has redesigned its residential-use air conditioners to use R-32. This enables its systems to achieve new levels of energy efficiency while reducing environmental impact.

Lower Global Warming Potential

The Kyoto Protocol was adopted in 1997 to reduce greenhouse gases which cause climate change. Greenhouse gases include carbon dioxide (CO₂), hydrofluorocarbons (HFCs), hydrochlorofluorocarbons (HCFCs), chlorofluorocarbons (CFCs) and various other substances.

To reduce greenhouse gases, manufacturers of air conditioning equipment are urgently required to find refrigerants with a lower global warming potential than R-410A (HFC). At the same time, they must also reduce energy consumption, enabling CO₂ emissions to be decreased.

100 Year Global Warming Potential of Different Refrigerants

Energy Efficiency

Refrigerant

Refrigerant is changed from gas to liquid in the outdoor unit, after which it is evaporated in the indoor unit. During cooling operation, cool air is discharged from the indoor unit while heat is removed from the air taken in from inside the room. This heat is delivered to the outdoor unit and released.

Notes:
1. This value is based on in-house research.
2. Source: Values for 100 year global warming potential (GWP) from IPCC Fourth Assessment Report. Comparative 100 year GWP: HFC410A, 2,090; HFC32, 675.
Dehumidifying: A New Level in Comfort

Two Dehumidifying Choices

Daikin launched the world’s first residential-use air conditioner to control both humidity and temperature in 1999. By controlling humidity as well as temperature, Urusara 7 provides dehumidifying choices like you have never experienced before.

Even at a relatively high set temperature, selecting dehumidifying allows you to feel cool, helping to save power. With Urusara 7, you can control the indoor humidity directly from the wireless remote controller.

Two dehumidifying functions are available: Sarara Dry Operation and Dry Cooling Operation. Sarara Dry prevents any decrease in indoor temperature while Dry Cooling activates both cooling and dehumidifying functions at the same time.

Sarara Dry Operation

Urusara 7 lets you adjust the dehumidifying volume from low to high to achieve consistent comfort. At night on rainy days, the humidity can leave you feeling hot even though the temperature is relatively low. However, using the air conditioner with conventional dry mode leads to overcooling.

Urusara 7 maintains comfort levels by premixing the dehumidified air with room air to stabilise the temperature. This prevents overcooling, even for people who are sensitive to cold such as children, older people and women.

Dry Cooling Operation

Selecting this function starts dehumidifying operation during cooling operation. It dehumidifies by cooling at a low airflow rate, resulting in a lower room temperature.

Benefit 3: Humidity Control

As of 1999, when Daikin launched Ururu Sarara in the Japanese market.

This is an in-house test using models for the Japanese market.

Test conditions: Continuous operation with discharged airflow temp. 26˚C, dehumidifying volume 300 cc/h in a thermostatic chamber with indoor temp. 28˚C, indoor humidity 60%, outdoor temp. 28˚C.

To lower the humidity, Dry Cooling uses a lower airflow rate than standard cooling.

Notes:
1. As of 1999, when Daikin launched Ururu Sarara in the Japanese market.
2. This is an in-house test using models for the Japanese market.
3. Test conditions: Continuous operation with discharged airflow temp. 26˚C, dehumidifying volume 300 cc/h in a thermostatic chamber with indoor temp. 28˚C, indoor humidity 60%, outdoor temp. 28˚C.
4. To lower the humidity, Dry Cooling uses a lower airflow rate than standard cooling.

Adjusts cooling capacity by steplessly changing the activated area of the heat exchanger based on the dehumidifying volume.

Even if the indoor temperature is the same, you usually feel cooler with lower humidity. However, when the air is humid, heat is not released and people feel hot and uncomfortable. With this in mind, Daikin has developed technologies that create a more comfortable balance between indoor temperature and humidity.

Temp.: 25˚C
Humidity: 80%
Hot and humid

Temp.: 25˚C
Humidity: 40%
Comfortable

You can experience the same comfort with an indoor humidity of 40 to 60% even at 2˚C above the set temperature.
Circulation Airflow Rapidly Cools a Large Room

Urusara 7 circulates airflow and prevents temperature fluctuations even in large spaces. Daikin’s original Coanda mechanism and Double Air Intake rapidly make even the corners of a large room feel comfortable.

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Circulation Airflow

A new air discharge pattern using the Coanda effect provides a longer airflow, rapidly achieving the set temperature throughout a room. The double air intakes and sharp-edged cross flow fan also increase airflow volume. This helps to circulate air around a room, preventing temperature fluctuations.

Temperature distribution when cooling for seven minutes

- **Conventional airflow of Daikin models**: Airflow discharged from the unit.
- **Circulation Airflow**: Airflow discharged further along the ceiling.

---

Coanda Mechanism

This natural phenomenon was discovered by Henri Coanda, developer of the jet engine. The mechanism causes the airflow direction to alter along the surface of an object. Daikin has used it in Urusara 7 to provide greater airflow along the ceiling.

---

Double Air Intake

The indoor unit features air intakes on both the top and bottom. The double intakes maintain a large airflow volume by drawing in additional air from the bottom intake. The Coanda mechanism also directs increased airflow toward the ceiling. This helps air to circulate fully, even if the unit is installed near the ceiling.

---

Notes:

1. Temperature distribution after seven minutes of Circulation Airflow operation.
2. Test conditions: Preset temperature 26°C, fan speed H, room temperature 35°C, outdoor temperature 35°C.
3. Measurement conditions: Test models: 4.0 kW class model of Urusara 7 for the Japanese market, 4.0 kW class Daikin inverter model for the Japanese market without Circulation Airflow. Test location: Daikin laboratory. Test conditions: Preset temperature 26°C, fan speed H, room temperature 35°C, outdoor temperature 35°C.
4. It includes when setting Automatic for vertical airflow direction during cooling, Dry Cooling or dehumidifying.
5. It includes when setting Automatic for vertical airflow direction during heating.
Installation Position Setting

A pattern for the room shape and installation position can be selected with the wireless remote controller. This enables control of the horizontal airflow direction to be optimised.

Six patterns can be selected:

1. Installation position setting
2. Breeze Airflow
3. 3-D Airflow

Breeze Airflow

Urusara 7 recreates the natural pattern of a gentle breeze, providing a cool airflow without direct draft. Based on research by Daikin and the Prefectural University of Kumamoto in Japan, natural breeze actually has three components: large waves, rapidly switching waves and precisely fluctuating waves. Daikin has recreated this variable rhythm using its advanced airflow control technology and coanda air direction system.

3-D Airflow

Vertical Auto-Swing automatically moves the flaps up and down, while Horizontal Auto-Swing automatically moves the louvers to the left and right. 3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling/heating of even large spaces.

Installation Position Setting

A pattern for the room shape and installation position can be selected with the wireless remote controller. This enables control of the horizontal airflow direction to be optimised.

Note 1: Based on a report issued by the Prefectural University of Kumamoto on August 31, 2012.

Test model: 4.0 kW class Daikin inverter model for the Japanese market
Test conditions: In an environment with a temperature of 27°C and relative humidity of 50%, subjects evaluated their comfort levels while seated at rest in a chair 2 m in front of the air conditioner and 850 mm above the floor. Valid responses were gathered from 16 Japanese male and female subjects in their twenties. The evaluations of comfort/discomfort levels and airflow patterns were maintained over an extended period.

Innovative Design Wins Red Dot

In 2013, Urusara 7 received a prestigious Red Dot Award: Product Design 2013 from the Design Zentrum Nordrhein Westfalen in Essen, Germany. The internationally recognised Red Dot has been awarded to products of outstanding quality since 1954.

Urusara 7 was praised for its innovative design, inspired by the Japanese “ogi” folding fan. This is exemplified by the Coanda flap mechanism, which modifies the airflow to create a pleasant indoor environment. Daikin’s use of R-32 refrigerant and other advanced technologies also reduces energy consumption and environmental impact.

Daikin believes with Urusara 7 it has created a leading air conditioner integrating a new shape and cutting-edge technologies developed in Japan.

Inspired by Japanese “Ogi”

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Better Indoor Air Quality Using Streamer Technology

Streamer Technology

Streamer discharge decomposes bacteria and mould adsorbed on the filter by irradiating them with an advanced plasma electric discharge. It provides highly effective oxidative decomposition. Streamer discharge is one of the methods of plasma electric discharge. With the same electrical power, the oxidative decomposition speed is over 1,000 times faster than ordinary plasma electric discharge (glow discharge). To achieve this performance, Daikin developed original technologies which successfully stabilise the flow of electrons.

1,000 Times Faster than ordinary plasma electric discharge

Decomposition Processes with Streamer Discharge

**Step 1** Generates Decomposition Elements
- The streamer discharge generates high-speed electrons.
- The high-speed electrons hit and combine with nitrogen and oxygen in the air.
- This generates high-strength decomposition elements.

**Step 2** Decomposes Allergic Substances
- Primary decomposition (decomposes surface)
- Secondary decomposition (decomposes centre)
- Oxygen radical
- OH radical
- Excited oxygen
- Excited nitrogen
Streamer Discharge Air Purifying

Mould and pollen are trapped and adsorbed on the Photocatalytic Air-Purifying and Deodorising Filter. The streamer discharge then irradiates and decomposes the trapped particles. It powerfully removes mould, viruses, allergic substances and harmful chemical substances. The following tests are individual simulations which use Daikin’s streamer device.

Mould and Viruses

The streamer discharge has a powerful effect on particles captured by the filter.

<table>
<thead>
<tr>
<th>Test condition</th>
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<th>After 15 minutes of irradiation</th>
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<td>Test organisation: Institute of Environmental Biology</td>
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Results: The streamer discharge decomposed and removed 99.9% of mould in 24 hours and 99.7% of odour-causing bacteria in one hour. The test was conducted using only one test machine. The streamer discharge decomposes the inside of the indoor unit, heat exchanger and airflow routes. Conventional Mould-Proof Operation prevents the growth of mould, but it still cannot eliminate odour-causing bacteria. The new Mould-Proof Operation can do both thanks to streamer discharge and a higher operation frequency.

Mould-Proof Operation

Mould-Proof Operation prevents the growth of mould. The pictures below show the mould growth after three days of cooling operation.

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Results: The streamer unit removed 99% of the virus and 99% of the bacteria and mould. It has a powerful effect on the growth of mould. The pictures below show the mould growth after three days of cooling operation.

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Results: The streamer discharge decomposed and removed 99.9% of mould in 24 hours and 99.7% of odour-causing bacteria in one hour. The test was conducted using only one test machine.

Surface stains are washed off the indoor heat exchanger using water generated by the cooling or dry operations. The surface is protected with a mould-proof coating.

Mould-Proof Heat Exchanger

Surface stains are washed off the indoor heat exchanger using water generated by the cooling or dry operations. The surface is protected with a mould-proof coating.
Quiet Operation and Timers

Quiet Operating Sound of 19 dB (A)

Indoor Unit Quiet Operation
This series gives you a choice of 5-step, Quiet or Automatic settings for the fan speed. The Quiet setting selects Indoor Unit Quiet Operation, which decreases the sound pressure level by 7 to 10 dB (A) below the Low setting.

This wide range of settings allows you to precisely control the fan speed according to your needs. For example, the Quiet function will help you to sleep comfortably at night. The sound pressure level for the FTXZ25N and FTXZ35N is 19 dB (A).

FTXZ35N during cooling operation

<table>
<thead>
<tr>
<th>Fan speeds</th>
<th>Sound pressure levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>High (H)</td>
<td>42 dB (A)</td>
</tr>
<tr>
<td>Low (L)</td>
<td>27 dB (A)</td>
</tr>
<tr>
<td>Quiet (SL)</td>
<td>19 dB (A)</td>
</tr>
</tbody>
</table>

Outdoor Unit Quiet Operation

This function decreases the sound pressure level from the rated operation (H). It can be started easily from the wireless remote controller. (Capacity may decrease during Outdoor Unit Quiet Operation.)

19 dB (A) Is So Quiet You Can Even Hear Whispers

Note: 1. Based on “Examples of Sound Pressure Levels”, Ministry of the Environment, Japan, November 12, 2002.
Promising You a Good Night’s Sleep

Comfort Sleep Timer
This function controls the indoor temperature while you are asleep, helping to produce body temperature patterns which promote restful sleep. The programme controls the temperature using a V-shaped pattern which is similar to the human body’s normal temperature fluctuation pattern. You only need to set your wakeup time.

Body temperature fluctuation pattern

Daily On/Off Timer
Both the operation start and stop time can be preset. With this timer, the air conditioner starts and stops at the same time every day. Using the Daily On Timer ensures your living room and bedroom are cool when you come home and go to sleep.

Countdown Off Timer
The operation stop time can be set with the touch of a single button and preset for a period of 0.5 to 9.5 hours in 30 minute increments. Set 4 and the unit will stop after four hours. This is convenient if you want to maintain cooling or dry operation during the night even if you do not use the Daily Off Timer.
Controller

Easy to See during the Night

Humidity and Energy Indications

Frequently used functions are located on the front of the wireless remote controller for quick access. A large liquid crystal display and backlit buttons also allow easy operation in the dark. The LCD provides a range of information, including indoor and outdoor temperatures, humidity and power consumption.

Pushing the Information Display button allows you to check the humidity and power consumption.
necessary so that only warm air is discharged.

Warm airflow starts just one minute later. Heating operation can be preset to turn on one minute after the set wakeup time. Restful sleep is promoted, especially for those sensitive to cold.

Quick Heating Timer is a feature that enables the air conditioner to warm up your room in just one minute, perfect for getting up in the morning or returning home after work.

Lamps can be adjusted to High, Low or Off. Frequently used functions are conveniently located on the wireless remote controller. This enables optimal control of your air conditioner.

The large LCD and backlit buttons allow easy operation in the dark. The room shape and installation position can be set on the Indoor Unit On/Off Switch.

The unit can be conveniently started manually in the event the controller batteries are not charged. In case the wireless remote controller is misplaced or the wireless remote controller's batteries are not charged, the indoor unit is equipped with an operation lamp, timer and 24-Hour On/Off Timer. This function combines Vertical and Horizontal Auto-Swing to distribute air across a room.

The indoor unit is equipped with an operation lamp, timer and 24-Hour On/Off Timer. The Set Wakeup Time function allows you to control your air conditioner even when you're not at home.

Indoor unit operating sound pressure levels are decreased by 7 to 10 dB (A) from the Low setting fan speed using the Wireless Remote Controller with Backlight. This function is convenient for boosting cooling/heating performance for a 20 minute period both when the air conditioner is running and when it is not.

Auto-Restart after Power Failure is a feature that prevents circuit breakers from being overloaded. When the power goes off, the air conditioner will automatically restart after power is restored. This function is convenient for boosting cooling/heating performance for a 20 minute period both when the air conditioner is running and when it is not.

Deodorising Filter prevents the growth of both mould and odour-causing bacteria. This function is convenient for boosting cooling/heating performance for a 20 minute period both when the air conditioner is running and when it is not.

Photocatalytic Air-Purifying and Deodorising Filter prevents the growth of both mould and odour-causing bacteria. This function is convenient for boosting cooling/heating performance for a 20 minute period both when the air conditioner is running and when it is not.

The flat panel design can be cleaned with only the single Pass of a cloth across its smooth surface. The flat panel can be adjusted to High, Low or Off. Frequently used functions are conveniently located on the Wireless Remote Controller with Backlight.

The streamer discharge decomposes bacteria and mould growth. This function is convenient for boosting cooling/heating performance for a 20 minute period both when the air conditioner is running and when it is not.

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Photocatalytic Air-Purifying and Deodorising Filter prevents the growth of both mould and odour-causing bacteria. This function is convenient for boosting cooling/heating performance for a 20 minute period both when the air conditioner is running and when it is not.
3. Sound pressure levels are based on the temperature conditions 1 and 2 above. These are anechoic conversion values. These values are normally somewhat higher during DST301BA61
DCS301BA61
DCS302CA61

2. Heating capacity is based on: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; piping length 7.5 m.

1. Cooling capacity is based on: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; piping length 7.5 m.

Measurement conditions

Max. height difference
12 m
Max. piping length
30 m

Indoor unit: I.D. 16.0, O.D. 18.0

Connection

Note: *1. Interface adaptor for DIII-NET use (KRP928BB2S) is also required for each indoor unit.

Piping

9.5 mm
6.4 mm

Gas

Liquid

Schedule timer
Unified On/Off controller
Central remote controller

Control System

Item
No.
Dimensions (H x W x D)

595 x 795 x 300

Compressor type
Hermetically sealed swing type

Casing colour
Ivory white

Outdoor unit: RXZ25NVM

RXZ35NVM
RXZ50NVM

Machine weight
15 kg
39/28/19
44/31/24

Heating

Cooling

Refrigerant charge (R-32)
1.34

42/27/19
38/26/19
47/30/23

Rated CO2
1,000 (100-2,530)

Running current
4.6-4.4-4.3/4.6-4.4

3.2-3.0-2.9/3.2-3.0
2.1-2.0-2.0/2.1-2.0
5.3-5.1-4.8/5.3-5.1

COP
5.00 (6.00-3.56)

5.81 (6.00-3.73)

4.47 (6.00-3.56)

5.07 (5.45-3.98)

5.70 (5.45-4.43)

4.30 (5.45-3.63)

620 (100-2,010)

2.9-2.8-2.7/2.9-2.8

5.3-5.1-4.8/5.3-5.1

Rated Power consumption
680 (110-1,330)

430 (110-880)

1,150 (110-1,600)

2.9-2.8-2.7/2.9-2.8

5.3-5.1-4.8/5.3-5.1

Rated Airflow rate (H)
12.1 (428)

10.7 (379)

15.0 (545)

4.6-4.4-4.3/4.6-4.4

3.2-3.0-2.9/3.2-3.0
2.1-2.0-2.0/2.1-2.0
5.3-5.1-4.8/5.3-5.1

Remote controller loss prevention with chain

5-room centralised controller

Note: *2. The time clock and other devices should be obtained locally.

Notes:  *1. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.

*3. The filter is a standard accessory.